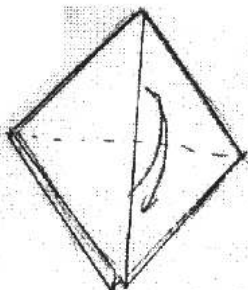


CAR (VW BUG)

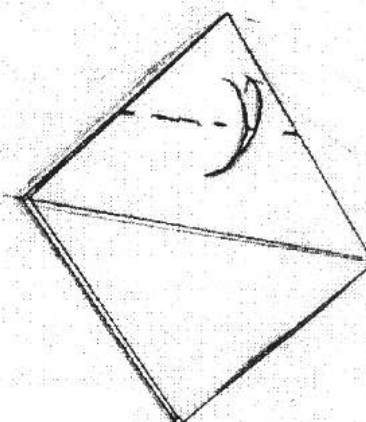
by: Charles Esseltine (2001)

I know that it is not an exact likeness. But so many people called this a Bug that I have bowed to their will.

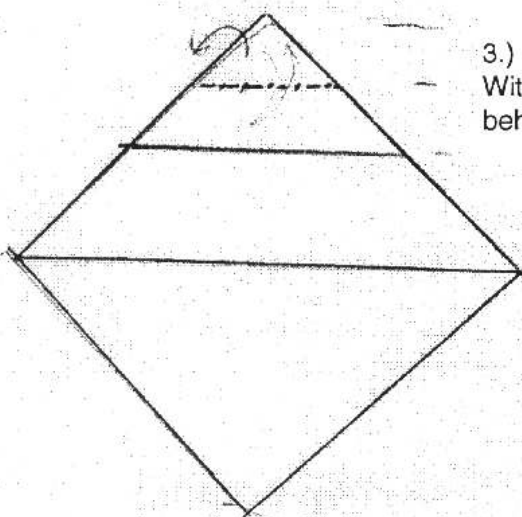
Begin with a preliminary base colored side out for a colored car. White side out for colored wheels. I think foil is the best for this model. But it can be done from any material.



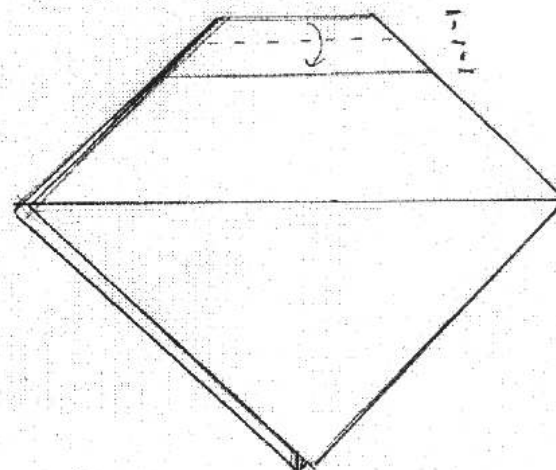
1.) Fold and unfold the top layer.



2.) Fold the top to meet the center. Then unfold.

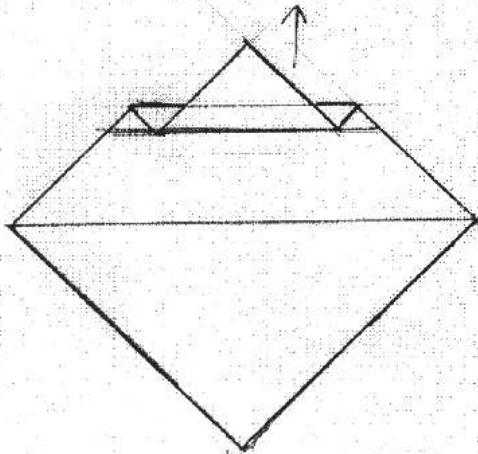


3.) Fold the top in half. With the point going behind the model.

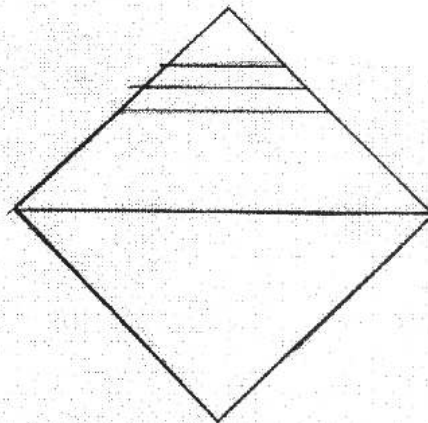


4.) Fold down the new edge. This brings the top to the front.

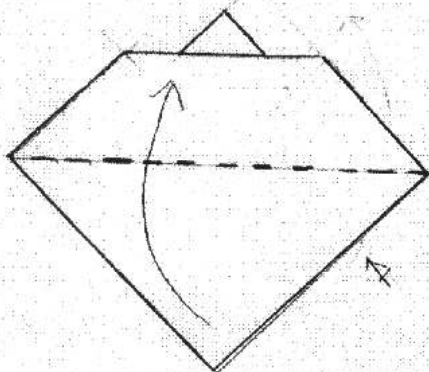
5.) Unfold the layers.



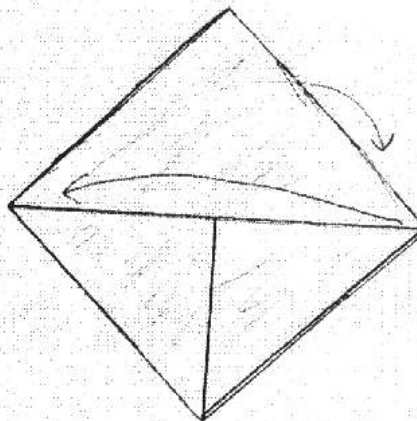
6.) Pleat sink the center with the point up. Partially opening the model is necessary.



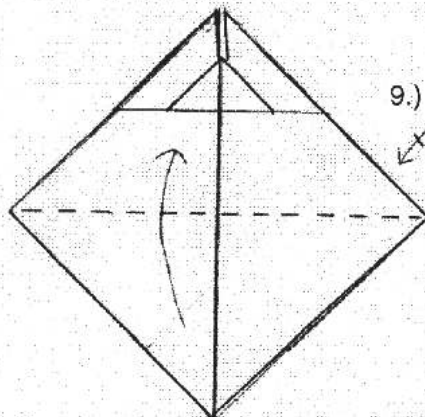
7.) Fold up the sides.



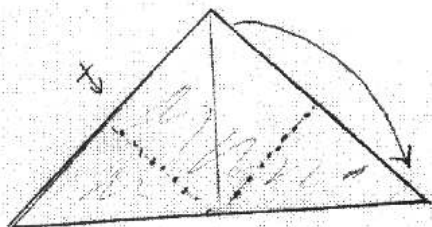
8.) Open up the side, and refold the model so that the primary colors is on the outside.



9.) Fold up the remaining sides.



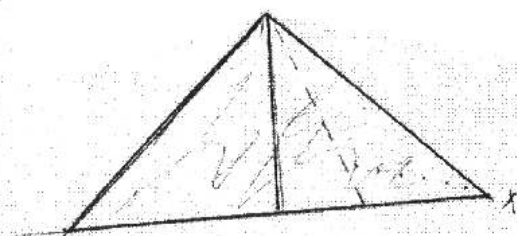
10a.) Inside reverse fold the interior points down to meet the bottom edge.



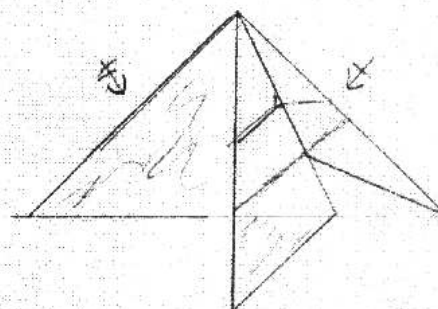
10b.) This is how the bottom will look like when done.



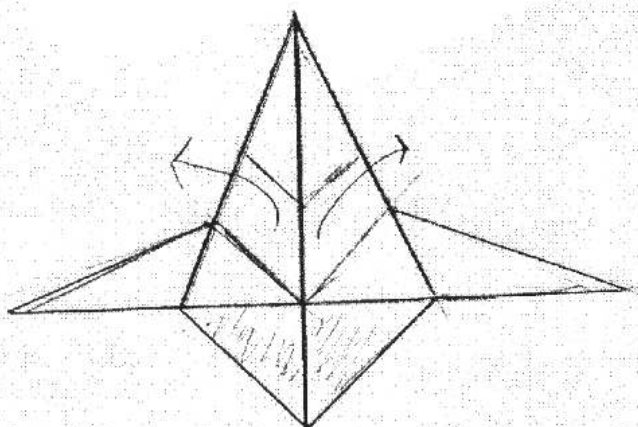
11.) Fold the top 3 layers to the centerline. This will pull up one layer from point (X). Fold it down to meet the bottom line.



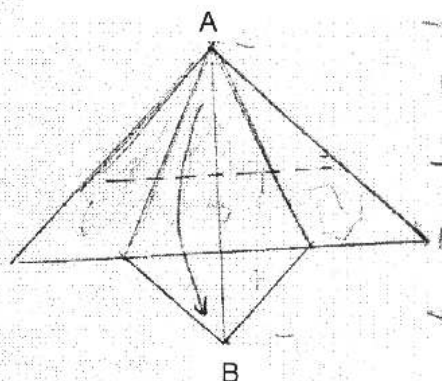
12.) This is how it will look. Repeat on the other 3 sides.



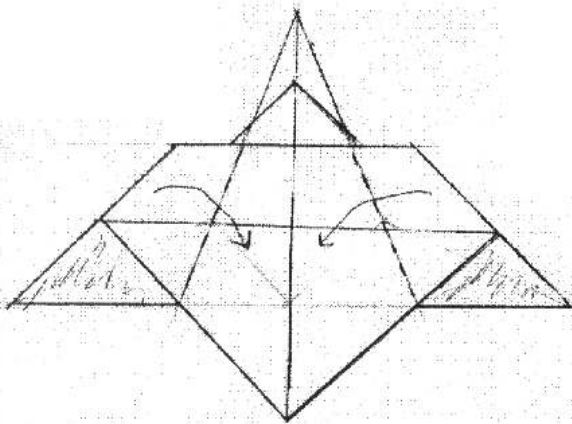
13.) Open out the 2 middle sections without unfolding the ends.



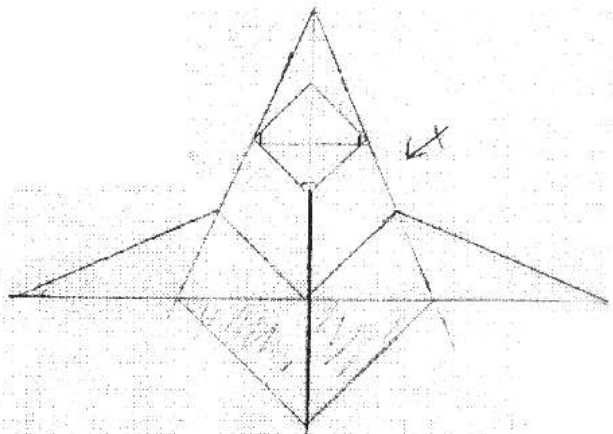
14.) Fold the first layer down from point (A) to point (B).



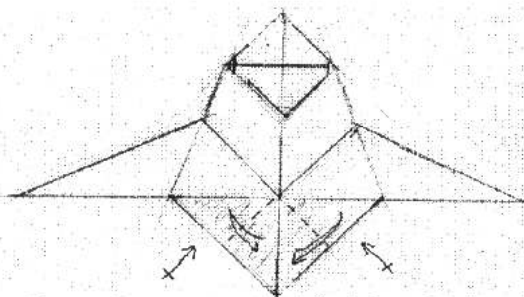
15.) Fold the sections back along the existing lines.



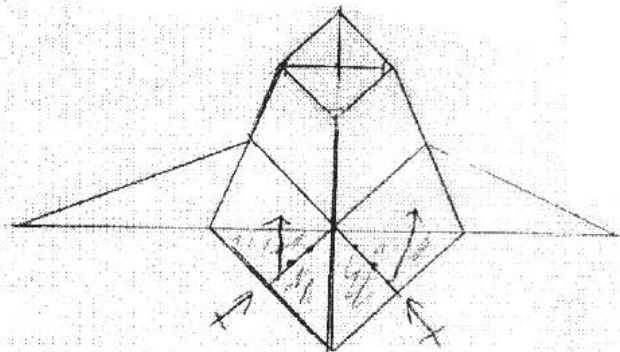
16.) Repeat steps 13-15 on the back.



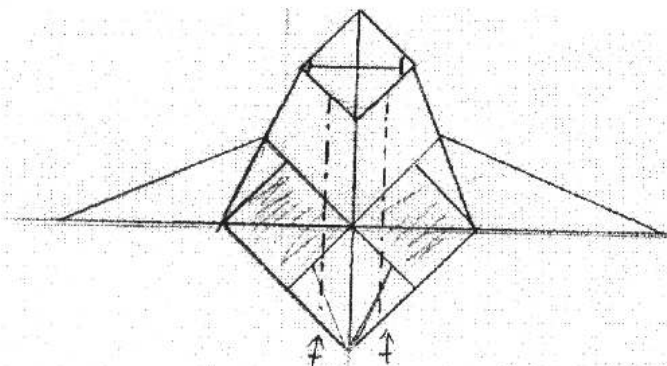
17.) Fold & unfold the bottom layers.



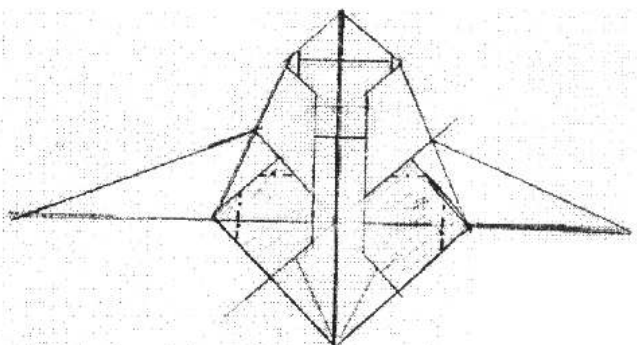
18.) Squash fold the the bottom sections. Repeat behind.



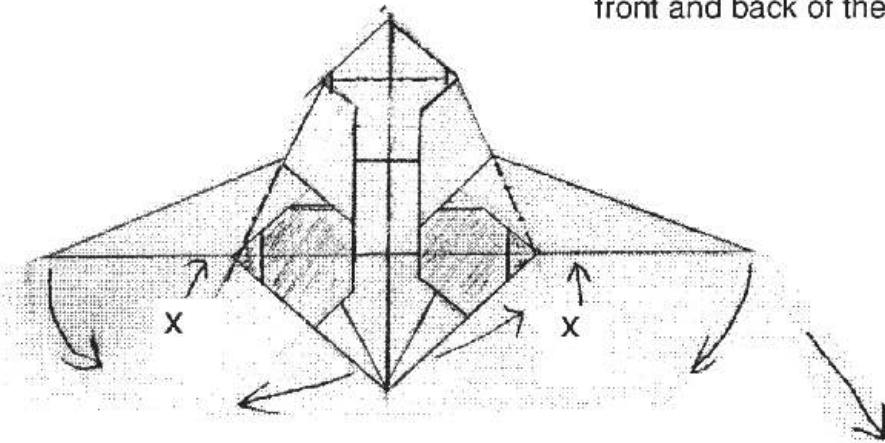
19.) Fold the edges inward (just a little bit) parallel to the centerline.



20.) Fold in the points on the outside, and top of the wheels.

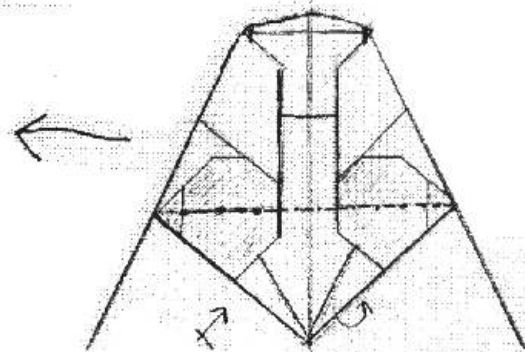
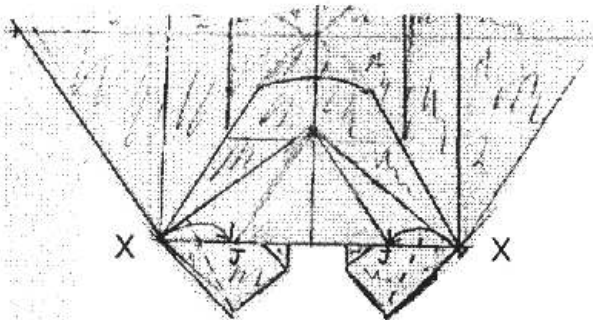


21.) Open the bottom and form the roof. At point (X) open out the hood and trunk of the car by spreading the layers and pulling them down to the sides. The layers that form the hood, and trunk will flatten into points at the front and back of the model.



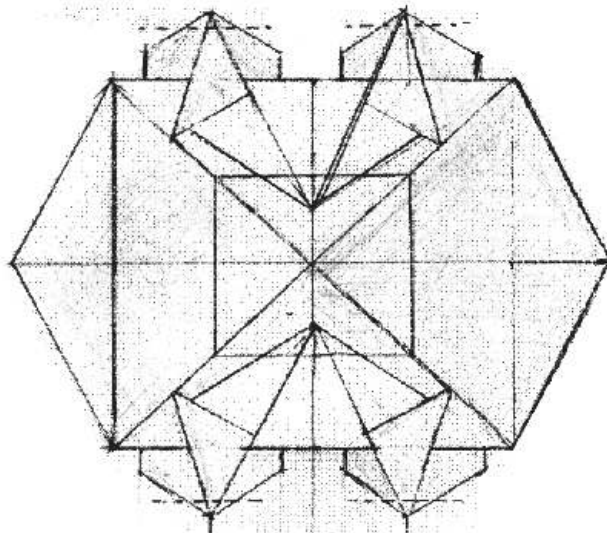
23.) Looking inside the model, fold the inner layer from the points marked (X) to the points marked (J). (Thank my friend Joe Powers for locating point (J)) Repeat on the other wheels.

22.) Fold the inner layers inside the model.

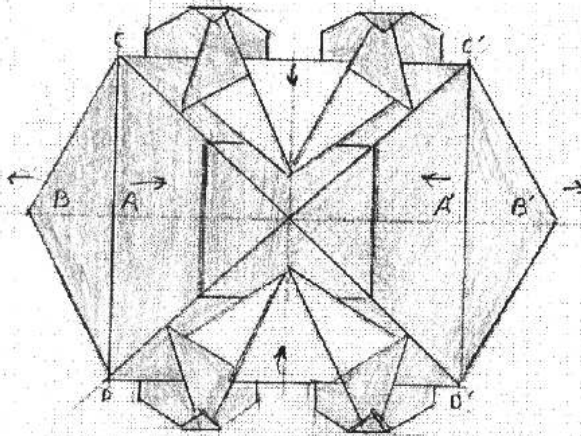


Repeat behind.

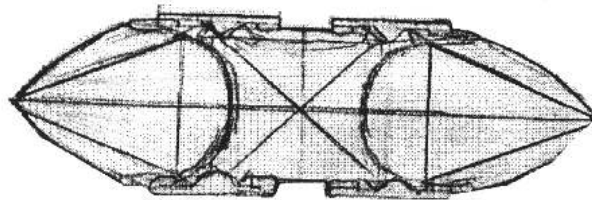
24.) Fold in the bottoms of the wheels. Note: The larger the model, the more you can round the wheels.



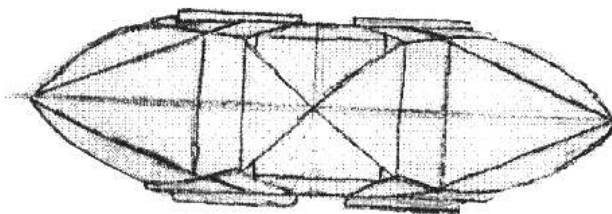
25a.) On each side pull in layer (A) only. Line \overline{CD} will arc inward, and the sides ($\overline{CC'}$ & $\overline{DD'}$) will move towards the centerline, and the outer layers (B) will move outwards.



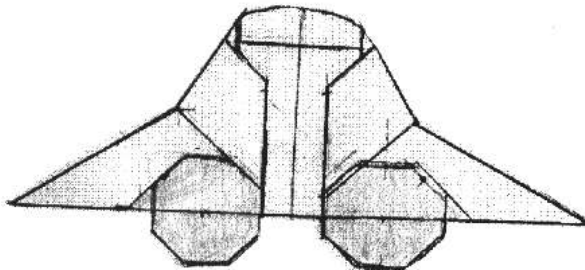
25b.) The model should look like this.



Bottom View



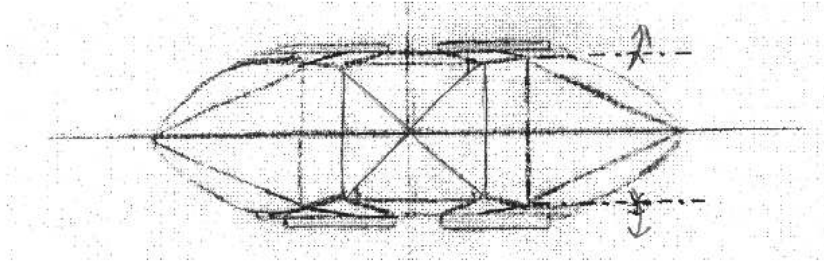
Top View



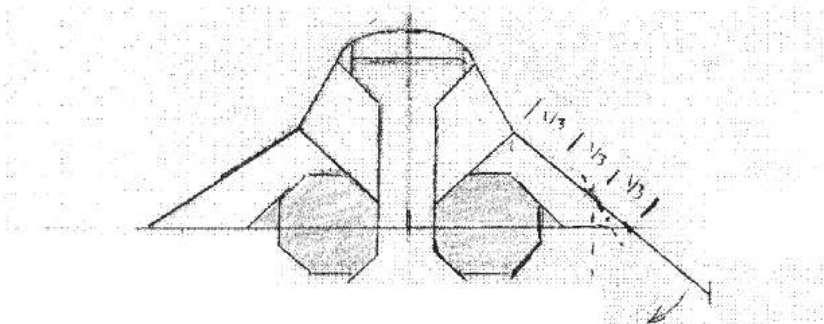
Side View

Now for the tough part. Choose which side is the front!

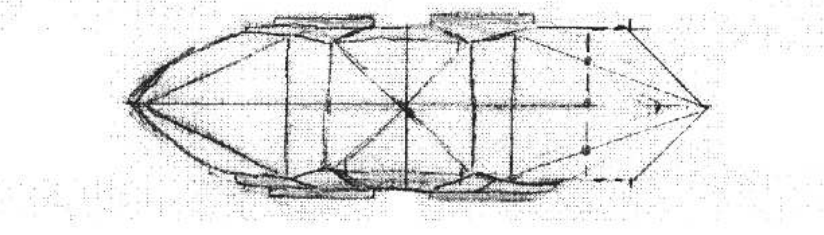
26.) Flatten one side, making creases parallel to the centerline.



27.) This looks harder than it is. About $\frac{2}{3}$ of the way down the edge of the hood, make a soft crease. Pinching the corners so that the front points straight down.

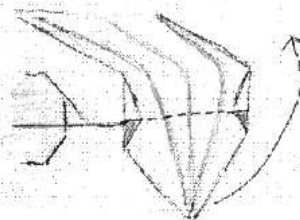
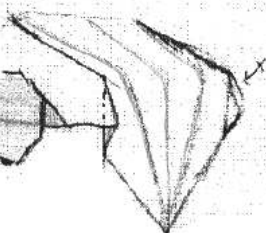


Same step, different view.

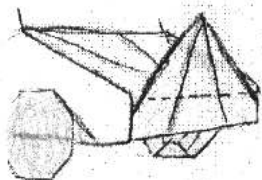


28.) Fold the tips inward, so that they are flat against the front.

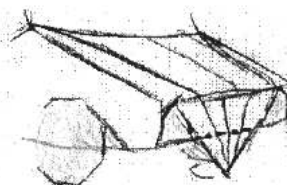
29.) Fold the bottom up as far as it will go.



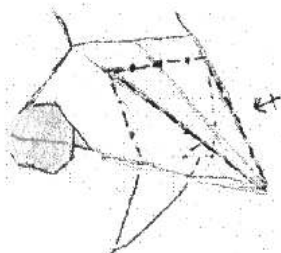
30.) Now fold it down a little bit shy of the top of the hood.



31.) To finish the head lights, just tuck the remaining paper under the edge.

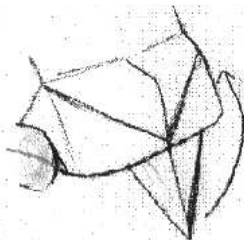


32a.) Now for the trunk. Make an arbitrary fold parallel to the back windshield's edge. (Note: The Beetle has a round back, so make this fold as close as possible to the windshield.) And reverse the creases as indicated. A soft crease will form on each side of the trunk.

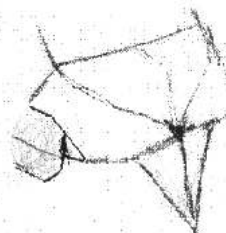


These two points will meet in the middle of the back.

33.) Fold the point up from the bottom edge.



32b.) This will be the result. You'll know its right if the bottom edge is straight across.



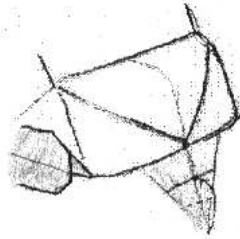
34.) Using the edges as a guide. Fold, and unfold a line where they meet.



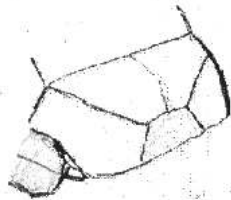
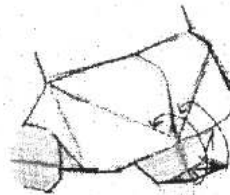
35.) Fold the tip to meet the marker fold.

36.) Tuck the flap inside the edges to lock the trunk.

(O.K. I got the trunk to lock. Now I need to find out how to unlock the doors!)



The trunk and license plate are done.



And so is the car!

Drive safely!

